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Application Number	09/754,179
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<b>Filing Date</b>	1/3/2001
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Filing Date	1/3/2001
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APR 11 2001

First Named Inventor	Yoram Nelken
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Group Art Unit	<del>2163</del> 2020
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Examiner Name Unknown 13 E 1 U

Attorney Docket Number	PA1438US
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(use as many sheets as necessary)

Sheet	1	of	1
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**Considered**

40/49/05

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08a (05-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 1

**Complete if Known**

Application Number	09/754,179
Filing Date	January 3, 2001
First Named Inventor	Yoram Nelken
Art Unit	2121 2029
Examiner Name	Melvin Bell
Attorney Docket Number	PA1438US

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Technology Center 2100

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
Mud		US- 5,948,058 A	09-07-1999	Kudoh et al.	
		US- 5,999,932 A	12-07-1999	Paul	
		US- 6,070,149 A	05-30-2000	Tavor et al.	
		US- 6,138,139 A	10-24-2000	Beck et al.	
		US- 6,161,130 A	12-12-2000	Horvitz et al.	
		US- 6,199,103 B1	03-06-2001	Sakaguchi et al.	
		US- 6,226,630 B1	05-01-2001	Billmers	
		US- 6,377,949 B1	04-23-2002	Gilmour	
		US- 6,424,997 B1	07-23-2002	Buskirk, Jr. et al.	
		US- 6,460,074 B1	10-01-2002	Fishkin	
Mud		US- 6,493,694 B1	12-10-2002	Xu et al.	
		US- 6,496,853 B1	12-17-2002	Klein	
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature	Melvin Bell	Date Considered	06/19/05
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Sheet	1	of	3
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**Complete if Known**

Application Number	09/754,179
Filing Date	January 3, 2001
First Named Inventor	Nelken
Art Unit	<del>2124</del> 2429
Examiner Name	Bell
Attorney Docket Number	PA1438US

## U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
M.D.		US- 5,040,141 A	08-13-1991	Yazima et al.	
		US- 5,265,033 A	11-23-1993	Vajk et al.	
		US- 5,377,354 A	12-27-1994	Scannell et al.	
		US- 5,483,466 A	01-09-1996	Kawahara et al.	
		US- 5,487,100 A	01-23-1996	Kane	
		US- 5,493,692 A	02-20-1996	Theimer et al.	
		US- 5,694,616 A	12-02-1997	Johnson et al.	
		US- 5,864,848 A	01-26-1999	Horvitz et al.	
		US- 5,974,465 A	10-26-1999	Wong	
		US- 6,021,403 A	02-01-2000	Horvitz et al.	
		US- 6,035,104 A	03-07-2000	Zahariev	
		US- 6,067,565 A	05-23-2000	Horvitz	
		US- 6,182,059 A B1	01-30-2001	Angotti et al.	
		US- 6,185,603 B1	02-06-2001	Henderson et al.	
		US- 6,282,565 B1	08-28-2001	Shaw et al.	
		US- 6,327,581 B1	12-04-2001	Platt	
		US- 6,424,995 B4	07-23-2002	Shuman	
M.A.		US- 6,442,589 B1	08-27-2002	Takahashi et al.	
		US-			

**FOREIGN PATENT DOCUMENTS**

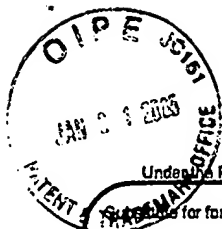
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Examiner Signature	<i>[Signature]</i>	Date Considered	9/8/05-00/00/00
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### Complete if Known

Application Number	09/754,179
Filing Date	January 3, 2001
First Named Inventor	Neiken
Art Unit	2121 2429
Examiner Name	Bell
Attorney Docket Number	PA1438US

Sheet 2 of 3

### NON PATENT LITERATURE DOCUMENTS

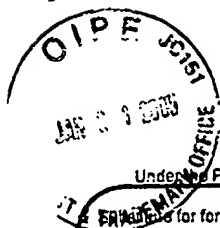
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
M.H.		BREESE et al., "Empirical Analysis of Predictive Algorithms for Collaborative Filtering," Proc. of the 14th Conf. on Uncertainty in Artificial Intelligence, July 1998. 4 pgs.	
		CZERWINSKI et al., "Visualizing Implicit Queries for Information Management and Retrieval," Proc. of CHI 1999; ACM SIGCHI Conf. on Human Factors in Computing Systems, 1999. pp 564-567	
		DUMAIS et al., "Inductive Learning Algorithms and Representations for Task Categorization," Proc. of 7th Intl. Conf. on Information & Knowledge Management, 1998. 8 pgs.	
		HORVITZ, "Principles of Mixed-Initiative User Interfaces," Proc. of CHI 1999; ACM SIGCHI Conf. on Human Factors in Computing Systems, 1999. 8 pgs.	
		HORVITZ et al., "Display of Information for Time-Critical Decision Making," Proc. of the 11th Conf. on Uncertainty in Artificial Intelligence, July 1995. 4 pgs.	
		HORVITZ et al., "The Lumiere Project: Bayesian User Modeling . . .," Proc. of the 14th Conf. on Uncertainty in Artificial Intelligence, July 1998. 4 pgs.	
		HORVITZ et al., "Time-Dependent Utility and Action Under Uncertainty," Proc. of the 7th Conf. on Uncertainty in Artificial Intelligence, July 1991. 1 pgs.	
		HORVITZ et al., "Time-Critical Action: Representations and Application," Proc. of the 13th Conf. on Uncertainty in Artificial Intelligence, July 1997. 8 pgs.	
		KOLLER et al., "Toward Optimal Feature Selection," Proc. of 13th Conf. on Machine Learning, 1996. 9 pgs.	
M.H.		LIEBERMAN, "Letizia: An Agent That Assists in Web Browsing," Proc. of International Joint Conference on Artificial Intelligence, 1995. 6 pgs.	

Examiner Signature	M.H. Bell	Date Considered	9/1/05 - 10/10/05
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PTO Form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number 09/754,179

Filing Date January 3, 2001

First Named Inventor Nelken

Art Unit 2121 2129

Examiner Name Bell

Attorney Docket Number PA1438US

Sheet

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of

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
M.B.		PLATT, "Fast Training of Support Vector Machines Using Sequential Minimal Optimization," Advances in Kernel Methods: Support Vector Learning, MIT Press, Cambridge, MA, 1999. pp 685-248	
		PLATT, "Probabilistic Outputs for Support Vector Machines & Comparisons to Regularized Likelihood Methods," Adv. in Large Margin Classifiers, MIT Press, Cambridge, MA, 1999. pp 1-10	
		SAHAMI et al. "A Bayesian Approach to Filtering Junk E-Mail," Amer. Assoc. for Art. Intell. Technical Report WS-98-05, 1998. 8 pgs.	
		COHEN, "Learning Rules that Classify E-Mail," AT&T Laboratories, 1996. pp 1-8	
		LEWIS, "Evaluating and Optimizing Autonomous Text Classification Systems," ACM SIGIR, 1995. pp 246-254	
		LEWIS et al., "Training Algorithms for Linear Text Classifiers," ACM SIGIR, 1996. pp 298-306	
		APTE et al., "Automated Learning of Decision Rules for Text Categorization," ACM Transactions on Information Systems, Vol. 12, No. 3, 1994. pp 233-254	
		LOSEE, JR., "Minimizing Information Overload: The Ranking of Electronic Messages," Journal of Information Science 15, 1989. pp 179-189	
M.B.		JOACHIMES, "Text Categorization with Support Vector Machines: Learning with Many Relevant Features," Universitat Dortmund, Germany, 1998. 6 pgs.	

Examiner Signature

Date Considered

9/8/01 - 10/10/01

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	09/754,179
		Filing Date	January 3, 2001
		First Named Inventor	Yoram Nelken
		Art Unit	2121 2A29
		Examiner Name	Melvin Bell
Sheet 1 of 5	Attorney Docket Number	PA1438US	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
G.M.H.		US- 3,648,253 A	03-07-1972	Mullery et al.	
		US- 4,286,322 A	08-25-1981	Hoffman et al.	
		US- 4,642,756 A	02-10-1987	Sherrod	
		US- 4,658,370 A	04-14-1987	Erman et al.	
		US- 4,805,107 A	02-14-1989	Kieckhafer et al.	
		US- 4,814,974 A	03-21-1989	Narayanan et al.	
		US- 4,942,527 A	07-17-1990	Schumacher	
		US- 5,210,872 A	05-11-1993	Ferguson et al.	
		US- 5,228,116 A	07-13-1993	Harris et al.	
		US- 5,230,054 A	07-20-1993	Tamura	
		US- 5,247,677 A	09-21-1993	Welland et al.	
		US- 5,311,583 A	05-10-1994	Friedes et al.	
		US- 5,325,526 A	06-28-1994	Cameron et al.	
		US- 5,369,570 A	11-29-1994	Parad	
		US- 5,437,032 A	07-25-1995	Wolf et al.	
		US- 5,526,521 A	06-11-1996	Fitch et al.	
		US- 5,542,088 A	07-30-1996	Jennings, Jr. et al.	
		US- 5,559,710 A	09-24-1996	Shahraray et al.	
G.M.H.		US- 5,596,502 A	01-21-1997	Koski et al.	

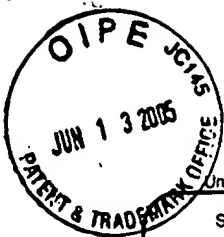
FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
gms		WO 00/36487 A2	06-22-2000	Nemirovsky et al.		

Examiner Signature	<i>Melvin Bell</i>	Date Considered	9/8-29/01
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Filing Date	January 3, 2001
		First Named Inventor	Yoram Nelken
		Art Unit	2127 2A29
		Examiner Name	Melvin Bell
		Attorney Docket Number	PA1438US
Sheet	2	of	5

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qm-b		US- 5,630,128 A	05-13-1997	Farrell et al.	
		US- 5,636,124 A	06-03-1997	Rischar et al.	
		US- 5,745,736 A	04-28-1998	Picart	
		US- 5,832,220 A	11-03-1998	Johnson et al.	
		US- 5,878,386 A	03-02-1999	Coughlin	
		US- 5,940,612 A	08-17-1999	Brady et al.	
		US- 5,944,778 A	08-31-1999	Takeuchi et al.	
		US- 5,995,513 A	11-30-1999	Harrand et al.	
		US- 5,999,990 A	12-07-1999	Sharrit et al.	
		US- 6,058,389 A	05-02-2000	Chandra et al.	
		US- 6,061,709 A	05-09-2000	Bronte	
		US- 6,092,095 A	07-18-2000	Maytal	
		US- 6,115,734 A	09-05-2000	Mansion	
		US- 6,148,322 A	11-14-2000	Sand et al.	
		US- 6,151,538 A	11-21-2000	Bate et al.	
		US- 6,182,120 M	01-30-2001	Beaulieu et al.	
		US- 6,212,544 M	04-03-2001	Borkenhagen et al.	
		US- 6,223,201 M	04-24-2001	Reznak	
qm-b		US- 6,243,735 M	06-05-2001	Imanishi et al.	

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		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				

Examiner Signature	<i>Melvin Bell</i>	Date Considered	9/8-29/05
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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	09/754,179
		Filing Date	January 3, 2001
		First Named Inventor	Yoram Nelken
		Art Unit	2125 2A29
		Examiner Name	Melvin Bell
Sheet 3 of 5	Attorney Docket Number	PA1438US	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
M.H.		US- 6,260,058 B1	07-10-2001	Hoenninger et al.	
		US- 6,301,602 B1	10-09-2001	Ueki	
		US- 6,308,197 B1	10-23-2001	Mason et al.	
		US- 6,314,446 B1	11-6-2001	Stiles	
		US- 6,360,243 B1	03-19-2002	Lindsley et al.	
		US- 6,411,947 B1	06-25-2002	Rice et al.	
		US- 6,411,982 B1	06-25-2002	Williams	
		US- 6,418,458 B1	07-09-2002	Maresco	
		US- 6,442,542 B1	08-27-2002	Ramani et al.	
		US- 6,513,026 B1	01-08-2003	Horvitz et al.	
		US- 6,560,330 B2	05-06-2003	Gabriel	
		US- 6,611,535 B2	08-26-2003	Ljungqvist	
		US- 6,654,726 B1	11-25-2003	Hanzek	
		US- 6,748,387 B2	06-08-2004	Garber et al.	
		US- 2001/0027463 A1	10-04-2001	Kobayashi	
		US- 2001/0042090 A1	11-15-2001	Williams	
		US- 2001/0056456 A1	12-27-2001	Cota-Robles	
		US- 2002/0032715 A1	03-14-2002	Utsumi	
		US- 2002/0052907 A1	05-02-2002	Wakai et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature	<i>M.H. Nelken</i>	Date Considered	9/8-29/05
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		<b>Complete if Known</b> Application Number 09/754,179 Filing Date January 3, 2001 First Named Inventor Yoram Nelken Art Unit 2421 2629 Examiner Name Melvin Bell Attorney Docket Number PA1438US	
Sheet	4	of	5

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g/m.n.		US- 2002/0065953 A1	05-30-2002	Alford et al.	
		US- 2002/0073129 A1	06-13-2002	Wang et al.	
		US- 2002/0078119 A1	06-20-2002	Brenner et al.	
		US- 2002/0078121 A1	06-20-2002	Ballantyne	
		US- 2002/0078257 A1	06-20-2002	Nishimura	
		US- 2002/0083251 A1	06-27-2002	Chauvel et al.	
		US- 2002/0087618 A1	07-04-2002	Bohm et al.	
		US- 2002/0087623 A1	07-04-2002	Eatough	
		US- 2002/0091746 A1	07-11-2002	Umberger et al.	
		US- 2002/0103871 A1	08-01-2002	Pustejovsky	
		US- 2002/0107926 A1	08-08-2002	Lee	
g/m.n.		US- 2002/0116463 A1	08-22-2002	Hart	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature <i>Melvin Bell</i>	Date Considered 9/8-29/05
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Art Unit	2424 2429
Examiner Name	Melvin Bell
Attorney Docket Number	PA1438US

Sheet

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of

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
gmk		Webster's Third New International Dictionary, G. & C. Merriam Company, 1961, pp. 538, 834, 1460.	
gmk		Computer Dictionary, Microsoft Press, 1997, Third Edition, p. 192.	

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